

State of Louisiana
Department of Transportation and Development (DOTD)
Materials and Testing Section Qualification Procedure
for
Qualified Products List 35

RAILROAD GRADE CROSSINGS

MATERIAL SPECIFICATION REFERENCE:

DOTD Supplemental Specifications for Railway-Highway Grade Crossings

PRELIMINARY REQUIREMENTS:

Qualified Product Evaluation Form

The manufacturer shall submit a standard "Qualified Product Evaluation Form" to the DOTD Materials and Testing Section Coordinator listed below, along with a letter requesting evaluation for the Qualified Products List.

Commitment from Railroad Company Official

The manufacturer shall also submit a letter from a railroad company official expressing a committed interest in using the product on a state highway to the DOTD Materials and Testing Section Coordinator listed below.

Copies of the "Qualified Product Evaluation Form" along with the letter of commitment shall be also submitted to the DOTD Maintenance Section Coordinator listed below.

Product Data Sheets

Include product data sheets with all pertinent information relative to the grade crossing material to be evaluated; including, but not limited to, manufacturer's specifications, field and gauge section schematics, recommended installation procedures, written company guarantee and a Materials Safety Data Sheet (MSDS).

Certification and/or Test Reports

Submit a notarized certificate of analysis reporting actual test results of the material properties for each product submitted.

Sample (to be furnished at no cost to the Department)

Upon request, submit one field side panel for laboratory evaluation and one complete grade crossing for field evaluation.

TEST REQUIREMENTS:

Laboratory Testing

Upon written notification of the DOTD Maintenance Section Coordinator, laboratory testing will be performed. Testing will vary in nature depending upon the material composition and design of the system. This will generally include tests to determine the quality of the materials, verify manufacturer's specifications and claims and may include load testing.

Field Evaluation

When the laboratory tests indicate satisfactory results, a letter from the Materials Engineer Administrator will be sent to the product manufacturer (copied to the DOTD Maintenance Section Coordinator listed below), stipulating responsibility of the manufacturer to set up a field installation of the railroad grade crossing at a location considered acceptable to the Department. These efforts shall be coordinated with the DOTD Maintenance Section Coordinator. The installation will be supervised and subsequent field evaluation will be performed by DOTD Maintenance Section Personnel assisted by District personnel.

Evaluation Time

Laboratory testing - 4 weeks

Field evaluation - 5 years

Field evaluation is five (5) years; however, after two (2) years of satisfactory service, the Department may choose to issue an interim evaluation report and accept the material as an approved product conditional upon favorable evaluation at the end of the five (5) year period.

GENERAL:

Upon completion of the evaluation, the submitter along with the participating railroad companies will be notified in writing concerning the results of the evaluation and whether the product will or will not be added to the Qualified Products List. The Department reserves the right to reevaluate any product at any time.

PROJECT ACCEPTANCE REQUIREMENTS:

Qualification of a product is not blanket approval for its use.

The manufacturer shall supply notarized Certificates of Analysis and/or Certificates of Compliance as required by Department specifications for each batch or shipment. Final acceptance of each batch or shipment is dependent upon test results which shall conform to the established specification requirements and which identify the sample as being representative of the product originally approved.

DISQUALIFICATION:

Any product may be removed from the Qualified Products List for non-conformance with specifications or performance requirements. The Department must be notified in writing of any change in product formulation. Significant changes may require reevaluation of the product.

REQUALIFICATION:

A product which has been disqualified and removed from the Qualified Products List will be considered for reevaluation only after submission of a formal request along with acceptable evidence that the problems causing the disqualification have been resolved.

DOTD MATERIALS AND TESTING SECTION COORDINATOR:

4132

Jason Davis, P.E.
Special Testing Engineer
DOTD Materials Section
5080 Florida Blvd.
Baton Rouge, LA 70806-

(225) 248-4131

DOTD MAINTENANCE SECTION COORDINATOR:

Engineer

Section

Bill Shrewsberry, P.E.
Road Maintenance

DOTD Maintenance

P. O. Box 94245
Baton Rouge, LA 70804
(225) 379-1543

Approved 8-01-02

N. DOUG HOOD, P.E.
MATERIALS ENGINEER ADMINISTRATOR